Date: User: Monday, 02/06/2008 1:54:39 PM

Julie Lecocq

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Type

Job Number **Estimate Number**

: 39647 : 10926

P.O. Number

This Issue Prsht Rev.

: 02/06/2008

: NC

: //

First Issue **Previous Run**

: 30135

Written By

Checked & Approved By

Comment

: Est.

S.O. No. :

B 00.01.12 Re-format EC

: SMALL /MED FAB

Drawing Name

Part Number

Drawing Number Project Number

Drawing Revision

Material

Due Date

: D2003111

- UNDER REVIEW

: TUBE ASSEMBLY

: N/A

; B

: 03/06/2008

Qty:

SEE STEP 40

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description: DOCUMENT CONTROL

1.0 DC

Comment: DOCUMENT CONTROL

Photocopy bluefile & type labels per PPP D2003-111

2.0

6061-T6 Tube .500 x.035W



Comment: Qty.:

0.4047 f(s)/Unit Total: 2.0234 f(s)

Material:1/2"Æ x 0.035" wall 6061-T6 tubing

3.0

SMALL & MEDIUM FAB RESOURCE 1





Comment: SMALL & MEDIUM FAB RESOURCE 1

Form tube as per template D2003111

4.0 QC5 INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

M26506 5.0

Firesleeve-crkl .375IDia



Comment: Qty.:

0.4156 f(s)/Unit Total:

2.0780 f(s)

Material: M2650-6 Heat sleeve

Batch: 107746

FF 08-06-05

FF 08-06-04

00-06-04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C C	losed:	Date:
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ICR:			WORK ORDER NON-CONFORMANCE (NCR)												
		Description of NC		Corrective Action Section B	Verification	Annroyal	Annroyal								
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector							
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Monday, 02/06/2008 1:54:40 PM Date: User: י Julie Lecocq **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: TUBE ASSEMBLY Job Number: 39647 Part Number: D2003111 Job Number: Seq. #: **Machine Or Operation:** Description: 6.0 MS208198D Sleeve Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Pick: **Qty Part Number** Description 2 MS20819-8D Sleeve 17/01840 FF 08-06-05 AN8188D Nut 7.0 Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Pick: **Qty Part Number** Description · (4 2 AN818-8D Nut FF 08-06-11 8.0 D2182 Heat Shrink Comment: Qty.: 0.3750 f(s)/Unit Total: 1.8750 f(s) Pick: **Qty Part Number** Description Batch FF 08-06-05 1 D2182-045 Heat shrink SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 CUT LEDGTH OF TUBINA CONFIRM Cut as per template D2003-111 (4.625" long) w/evG. Cut: 4.75" long as per Dwg D2003 Assemble as per Dwg D2003 5 08-06-11 10.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPEC WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 11.0 Comment: PACKAGING RESOURCE #1, Identify and Stock Location:

W/O:		WORK ORDER	CHANGES				······································
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No):	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date: _	<u> </u>

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B	Verification Approv								
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector					
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						·							
								-					

Date:

Monday, 02/06/2008 1:54:40 PM

User: 1 Julie Lecocq **Process Sheet**

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: TUBE ASSEMBLY

Job Number: 39647

Part Number: D2003111

Job Number:



Seq. #:

Machine Or Operation:

Description:

12.0

QC21



FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
	2											
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Part No:	PAR #:	Fault Category:	NCR: Yes	No	DQA:	Date:
			QA: N	N/C CI	osed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B	Verification	Approval	Approval					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector				





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1	16	1 4	D2003 SHEET 1 OF 2
DATE			TITLE SCALE
99.0	6.08		206 CABIN HEATER TUBE ASSEMBLIES NTS
A		90.04.09	NEW ISSUE

RELEASED 49.06.09 KE

UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049) 99.06.08

UNDER REVIEW 04 08 2× CB

\$ 86.06.0L

P/N	TEMPLATE	HEATSLEEVE LENGTH	CUT LENGTH OF TUBE ²	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESC	MATERIAL ⁴⁶⁷	VENDOR OR SPEC
D2003-001	T2003-001	5.2	6.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33,31	32.38			i		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13.54	<u> </u>				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-043	11.7	10.75	2	2		-			TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2003-047	5.56	5.56	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	12.38	12.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-107	12.75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-109	T2003-109	8.25	8.125			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.75	4.625	5	8.06	.042	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-116	T2003-116	4.0		7						HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-120	T2003-120	4.0								HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-14	T2003-14	4.0								HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
D2003-16	T2003-16	4.0								HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 Wg	
D2003-207	T2003-207	3.75	3.75					2	2	TUBE ASS'Y		WW-T-700/6
								- 1			E	IGINEEKING

SUBJECT TO AMENDMENT

WITHOUT NOTICE

WORK ORDER

W/O:		WORK ORDER CH	ANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:	

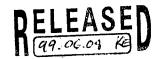
QA: N/C Closed: ____ Date: ___

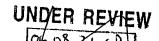
NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B	Verification	Annaval	A						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector					
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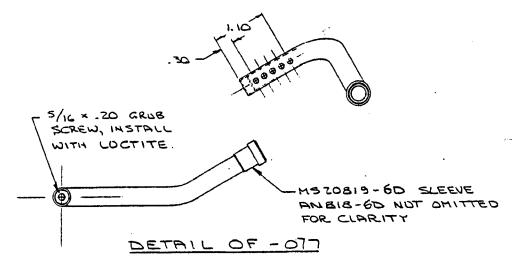
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DATE	7	TITLE	SCALE				
99.06.08		206 CABIN HEAT	TER TUBE ASSEMBLIES NTS				





Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.



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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No:	_ PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
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	WORK ORDER NON-CONFORMANCE (NCR)								
	Description of NC Section A		Corrective Action Section B			Annesial	Ammayal		
STEP		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector		
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	STEP	STEP Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Description of NC Section A Initial Action Description Sign & Verification Section C	STEP Description of NC Section A Initial Action Description Sign & Verification Approval Chief Eng		